YBA541Mu01 10μg

Recombinant Brain Natriuretic Peptide (BNP)

Organism Species: Mus musculus (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Tyr27~Leu121

Tags: N-terminal His-Tag

Tissue Specificity: Heart, Brain.

Subcellular Location: Secreted.

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation: 100mM NaHCO3, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 10.0

Predicted Molecular Mass: 12.3kDa

Accurate Molecular Mass: 15kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 100mM NaHCO3, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8oC for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37oC for 48h, and no obvious degradation and precipitation were observed.The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

YPLG SPSQSPEQFK MQKLLELIRE
KSEEMAQRQL LKDQGLTKEH PKRVLRSQGS TLRVQQRPQN SKVTHISSCF
GHKIDRIGSV SRLGCNALKL L

[IDENTIFICATION]

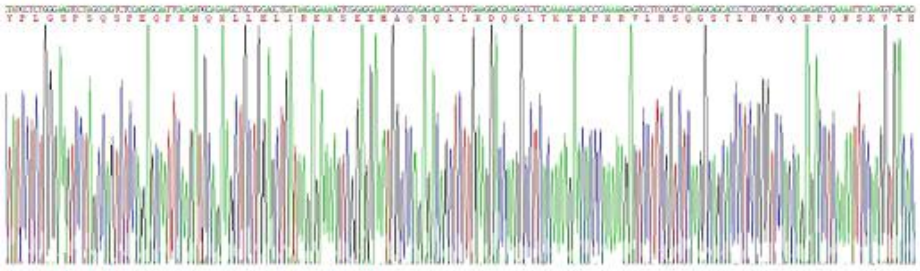

Figure 1. Gene Sequencing (Extract)

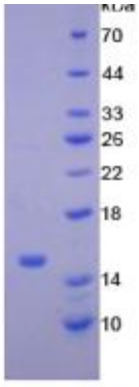

Figure 2. SDS-PAGE